

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (original) The method of manufacturing a speed ring, steps comprising:
feeding an un-magnetized magnetic strip from a coil into a magnetizing fixture;
stretching the magnetic strip to a predetermined length;
magnetizing the magnetic strip by sending an electric charge through the strip;
cutting the magnetized strip and retracting the coil;
advancing the magnetized strip to a trimming fixture having a Hall Effect sensor;
detecting the center of a pair of poles with the Hall Effect sensor;
cutting the end of the magnetic strip;
detecting the number of pairs of poles in the magnetic strip;
cutting the magnetized strip at the center of a pair of poles, based on the number of pairs of poles to create a second end; and
butting the first and second ends together.
2. (original) The method of manufacturing the speed ring of claim 1 steps further comprising recording the length of the stretched magnetic strip and assigning a part number to the magnetic strip according to the stretched length.

3. (original) The method of manufacturing the speed ring of claim 1 wherein the predetermined length is determined by a microprocessor.
4. (original) The method of manufacturing the speed ring of claim 1 wherein the magnetized strip is installed into a slot on a trolley that within the magnetized fixture.
5. (original) The method of manufacturing the speed ring of claim 4 wherein the trolley is computer controlled.
6. (original) The method of manufacturing the speed ring of claim 5 wherein the computer controlled trolley moves laterally to pull the magnetic strip away from the coil, removing slack from the magnetic strip.
7. (original) The method of manufacturing a speed ring described in claim 4 wherein the trolley is controlled by a computer that determines and records the length of the stretched magnetic strip.
8. (original) The method of manufacturing the speed ring of claim 1 wherein the magnetized strip is advance over the Hall Effect sensor by a microprocessor-controlled servomotor.
9. (original) The method of manufacturing the speed ring of claim 1 further comprising the step of installing the magnetic strip in the inside of a ring with a fixed inside diameter, with the ends butted together.

10. (original) The method of manufacturing the speed ring of claim 8 wherein the ring is a wheel.

11. (original) The method of manufacturing a speed ring, steps comprising:

feeding an un-magnetized magnetic strip from a coil into the slot of a trolley of a magnetizing fixture;

clamping the magnetic strip into place;

stretching the magnetic strip to a predetermined length to create spacing between magnetic poles;

magnetizing the magnetic strip by sending an electric charge through the strip;

cutting the magnetized strip and retracting the coil;

advancing the magnetized strip to a trimming fixture having a Hall Effect sensor;

detecting the center of a pair of poles with the Hall Effect sensor;

cutting the end of the magnetic strip;

detecting the number of pairs of poles to determine the location of the final cut;

cutting the magnetized strip at the center of a pair of poles to create a second end; and

butting the first and second ends together.

12. (withdrawn) The method of manufacturing a magnetic strip for a speed ring, steps comprising:

advancing the magnetized strip to a trimming fixture having a microprocessor operably connected to a Hall Effect sensor;

detecting the center of a pair of poles with the Hall Effect sensor;

cutting the end of the magnetic strip;

detecting the number of pairs of poles in the magnetic strip
with the microprocessor; and
cutting the magnetized strip at the center of a pair of poles,
making the cut based on the number of pairs of poles
detected by the microprocessor.